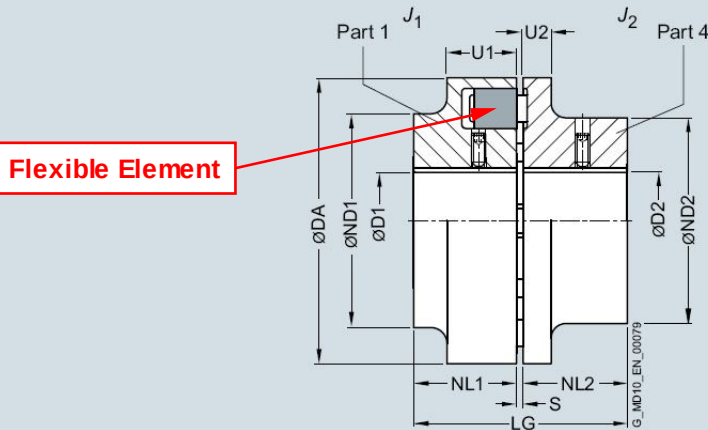


FLENDER Standard Couplings

Flexible Couplings – N-EUPEX and N-EUPEX DS Series

Type B

Selection and ordering data



Size	Rated torque flexible type 80 ShoreA T_{KN} Nm	Speed n_{Kmax} rpm	Dimensions in mm Bore with keyway to DIN 6885												Mass moment of inertia J_1/J_2 kgm ²	Article No. Order codes for bore diameters and tolerances are specified in catalog section 3	Weight m kg
			D1 min.	D2 max.	DA	ND1	ND2	NL1/ NL2	S	U1	U2	LG					
58	19	7500	–	19	–	24	58	58	40	20	3	20	8	43	0.0001	2LC0100-0AA ■ ■ -0AA0	0.4
68	34	7000	–	24	–	28	68	68	50	20	3	20	8	43	0.0002	2LC0100-1AA ■ ■ -0AA0	0.54
80	60	6000	–	30	–	38	80	80	68	30	3	30	10	63	0.0006	2LC0100-2AA ■ ■ -0AA0	1.3
95	100	5500	–	42	–	42	95	76	76	35	3	30	12	73	0.0013	2LC0100-3AA ■ ■ -0AA0	2.2
110	160	5300	–	48	–	48	110	86	86	40	3	34	14	83	0.003	2LC0100-4AA ■ ■ -0AA0	3.3
125	240	5100	–	55	–	55	125	100	100	50	3	36	18	103	0.006	2LC0100-5AA ■ ■ -0AA0	5.2
140	360	4900	–	60	–	60	140	100	100	55	3	34	20	113	0.007	2LC0100-6AA ■ ■ -0AA0	5.6
160	560	4250	–	65	–	65	160	108	108	60	4	39	20	124	0.01	2LC0100-7AA ■ ■ -0AA0	7.8
180	880	3800	–	75	–	75	180	125	125	70	4	42	20	144	0.02	2LC0100-8AA ■ ■ -0AA0	11.5
200	1340	3400	–	85	–	85	200	140	140	80	4	47	24	164	0.04	2LC0101-0AA ■ ■ -0AA0	16
225	2000	3000	–	90	–	90	225	150	150	90	4	52	18	184	0.07	2LC0101-1AA ■ ■ -0AA0	20
250	2800	2750	46	100	46	100	250	165	165	100	5.5	60	18	205.5	0.12	2LC0101-2AA ■ ■ -0AA0	29
280	3900	2450	49	110	54	110	280	180	180	110	5.5	65	20	225.5	0.18	2LC0101-3AA ■ ■ -0AA0	38
ØD1: - Without finished bore – Without order codes - With finished bore – With order codes for diameter and tolerance (article number without "-Z")																	1 9
ØD2: - Without finished bore – Without order codes - With finished bore – With order codes for diameter and tolerance (article number without "-Z")																	1 9

Weights and mass moments of inertia apply to maximum bore diameters.

Ordering example:

N-EUPEX B coupling, size 95,

Part 1: Bore D1 42H7 mm, keyway to DIN 6885-1 and set screw,

Part 2: Bore D2 32H7 mm, keyway to DIN 6885-1 and set screw.

Article No.:

2LC0100-3AA99-0AA0

L0X+M0T

The article number applies to standard flexibles of 80 ShoreA; the article number for alternative flexible types is available on request.

FLENDER Standard Couplings

Flexible Couplings – N-EUPEX and N-EUPEX DS Series

Spare and wear parts

Selection and ordering data

Elastomer flexibles

The elastomer flexibles are wear parts. The service life depends on the operating conditions.

Elastomer flexibles of the N-EUPEX series

Size	Article No. flexible set for one coupling NBR elastomer flexibles 80 ShoreA standard type	Number of flexibles per set	Weight per set kg
58	2LC0100-0WA00-0AA0	4	0.012
68	2LC0100-1WA00-0AA0	5	0.015
80	2LC0100-2WA00-0AA0	6	0.02
95	2LC0100-3WA00-0AA0	6	0.03
110	2LC0100-4WA00-0AA0	6	0.045
125	2LC0100-5WA00-0AA0	6	0.06
140	2LC0100-6WA00-0AA0	6	0.09
160	2LC0100-7WA00-0AA0	7	0.12
180	2LC0100-8WA00-0AA0	8	0.17
200	2LC0101-0WA00-0AA0	8	0.23
225	2LC0101-1WA00-0AA0	8	0.3
250	2LC0101-2WA00-0AA0	8	0.38
280	2LC0101-3WA00-0AA0	8	0.55
315	2LC0101-4WA00-0AA0	9	0.7
350	2LC0101-5WA00-0AA0	9	0.85
400	2LC0101-6WA00-0AA0	10	1.2
440	2LC0101-7WA00-0AA0	10	1.5
480	2LC0101-8WA00-0AA0	10	2.1
520	2LC0102-0WA00-0AA0	10	2.6
560	2LC0102-1WA00-0AA0	10	3.6
610	2LC0102-2WA00-0AA0	10	4.9
660	2LC0102-3WA00-0AA0	10	6.3
710	2LC0102-4WA00-0AA0	10	7.6

Elastomer flexibles of the N-EUPEX DS series

Size	Article No. flexible set for one coupling NBR elastomer flexibles standard type	Number of flexibles per set	Weight per set kg
66	2LC0110-0WA00-0AA0	4	0.012
76	2LC0110-1WA00-0AA0	5	0.015
88	2LC0110-2WA00-0AA0	6	0.021
103	2LC0110-3WA00-0AA0	6	0.033
118	2LC0110-4WA00-0AA0	6	0.048
135	2LC0110-5WA00-0AA0	6	0.072
152	2LC0110-6WA00-0AA0	6	0.1
172	2LC0110-7WA00-0AA0	7	0.16
194	2LC0110-8WA00-0AA0	8	0.21
218	2LC0111-0WA00-0AA0	8	0.28
245	2LC0111-1WA00-0AA0	8	0.45
272	2LC0111-2WA00-0AA0	8	0.64
305	2LC0111-3WA00-0AA0	8	0.72
340	2LC0111-4WA00-0AA0	9	0.92
380	2LC0111-5WA00-0AA0	9	1.2
430	2LC0111-6WA00-0AA0	10	1.6
472	2LC0111-7WA00-0AA0	10	2.0
514	2LC0111-8WA00-0AA0	10	2.5
556	2LC0112-0WA00-0AA0	10	3.2

Flexibles of sizes 66 to 272 are of the compound type with a hard core and soft thrust pieces. Sizes 305 to 556 are completely made of 90 ShoreA NBR material.

1. Technical data

The instructions describe the coupling in horizontal mounting position with shaft-to-hub connection by cylindrical or conical bore with parallel key. If a vertical or inclined arrangement or other shaft-to-hub connections, such as shrink fit or splines to DIN 5480, are to be used, Siemens must be consulted.

The coupling described below may be used in potentially explosive areas. The couplings must have a CE marking (for marking, see item 2.2).



Couplings which do not have a CE marking, must not be used in potentially explosive areas.

If a dimensioned drawing has been made out for the coupling, the data in this drawing must be given priority. The dimensioned drawing including any other documents should be made available to the user of the system.

For part numbers and part designations, see the corresponding spare-parts drawing in section 7 or the dimensioned drawing.

1.1 Speeds, geometric data and weights

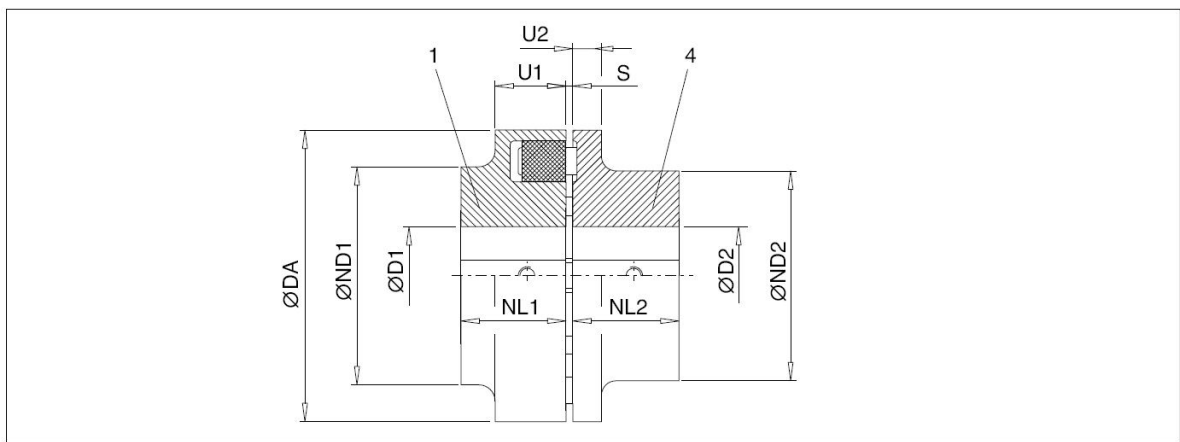


Fig. 1: Type B

Table 1: Speeds, geometric data and weights of type B

Size	Speed $n_{\max}$ 1/min	Maximum bore 1)		DA mm	ND1 mm	ND2 mm	NL1 / NL2 mm	S mm	U1 mm	U2 mm	Weight 2) m kg
		D1 mm	D2 mm								
58	7500	19	24	58	58	40	20	2... 4	20	8	0.4
68	7000	24	28	68	68	50	20	2... 4	20	8	0.54
80	6000	30	38	80	80	68	30	2... 4	30	10	1.3
95	5500	42	42	95	76	76	35	2... 4	30	12	2.2
110	5300	48	48	110	86	86	40	2... 4	34	14	3.3
125	5100	55	55	125	100	100	50	2... 4	36	18	5.2
140	4900	60	60	140	100	100	55	2... 4	34	20	5.6
160	4250	65	65	160	108	108	60	2... 6	39	20	7.8
180	3800	75	75	180	125	125	70	2... 6	42	20	11.5
200	3400	85	85	200	140	140	80	2... 6	47	24	16
225	3000	90	90	225	150	150	90	2... 6	52	18	20
250	2750	100	100	250	165	165	100	3... 8	60	18	29
280	2450	110	110	280	180	180	110	3... 8	65	20	38

1) Maximum bore with keyway to DIN 6885/1.

2) Weights apply to maximum bores.